

21-1919

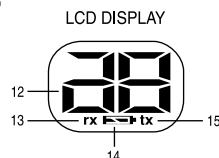
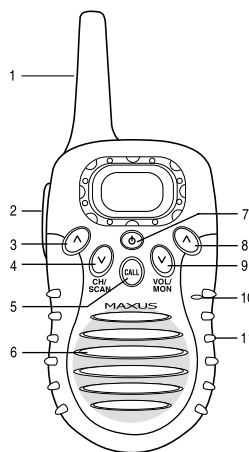
- 15 GMRS / 7 FRS Channels
- Long Battery Life
- Extended Long Range*
- Channel Scan
- Channel Monitor
- Battery Strength Meter
- Call Button

GMRS

2-way radios

*Range may vary depending on environmental and/or topographical conditions.

21-1919 RADIO



- | | |
|---|-----------------------------|
| 1 Antenna | 10 Microphone |
| 2 PTT (Push-To-Talk) Button | 11 Battery Compartment Door |
| 3 CH/SCAN $\wedge$ (Channel/Scan up) Key | 12 Channel Indicator |
| 4 CH/SCAN $\vee$ (Channel/Scan down) Key | 13 Receive Indicator |
| 5 CALL Key | 14 Battery Level Indicator |
| 6 Speaker | 15 Transmit Indicator |
| 7 $\odot$ (Power On/Off) Key | |
| 8 VOL/MON $\wedge$ (Volume up/Monitor) Key | |
| 9 VOL/MON $\vee$ (Volume down/Monitor) Key | |

Congratulations on your purchase of the Radioshack 21-1919 radio. This product is a lightweight, palm-sized radio. Use it at sporting events to stay in contact with family and friends, hiking, skiing, outdoors, or in a neighborhood watch for vital communication.

PACKAGE CONTENTS

Your package contains 4 x 21-1919 radios, this reference guide and 4 x belt clips. You will need to purchase 3 AAA alkaline batteries in order to operate each unit.

FCC GMRS LICENSE

The 21-1919 radio operates on the General Mobile Radio Service (GMRS) frequencies which require a Federal Communications Commission license to operate. For licensing information and application forms, visit the FCC online at: www.fcc.gov/wtb/uls or call the FCC hotline at 1-800-418-3676. If you have any questions you can contact the FCC direct at 1-888-225-5322.

INSTALL THE BATTERIES

Your 21-1919 radio uses 3 AAA alkaline batteries (not included) for power. We recommend using high quality alkaline batteries.

To install the batteries:

- 1) Make sure your radio is OFF.
- 2) Remove the battery compartment door by pressing on and sliding the compartment door, allowing the door to be removed.
- 3) Install 3 AAA Alkaline batteries (not included) into the battery compartment. Be certain to follow the + and - symbols in the compartment. Installing the batteries incorrectly will prevent the unit from operating.
- 4) Replace the battery compartment door by sliding the door into place.

USING THE RADIO

In order to get the most out of your new radio, read this reference guide completely before attempting to operate the radio.

Turning the Radio On and Adjusting the Volume

- 1) Press and hold the $\odot$ key to turn the radio ON.
- 2) To change the volume level press the **VOL/MON** $\wedge$ or $\vee$ keys to increase or decrease the volume level.
- 3) Press and hold the $\odot$ key to turn the radio OFF.

Adjusting the Sound (Key Beeps)

Your radio emits a beep each time one of the keys (except for the **PTT** button and **CALL** key) is pressed. The sound of the Key Beep will increase or decrease depending on the volume level setting.

To turn OFF this beep:

Press and hold the **CALL** key while turning ON the radio.

To turn ON this beep:

Turn the radio OFF and ON again.

Choosing a Channel

Your 21-1919 has 22 channels you can use to talk to others. In order to speak to someone, each of you must be set to the same channel.

To choose a channel:

Press the **CH/SCAN** $\wedge$ or $\vee$ keys to increase or decrease the channel number displayed.

Channel Scan Feature

Your 21-1919 radio has a channel Scan feature that allows you to easily Scan all 22 channels. When an active channel is detected, the unit will pause on that channel until the channel is clear. Then after a 2 second delay, the unit will continue scanning. Pressing **PTT** while the Scan is paused on a channel will allow you to transmit on that channel.

To turn ON channel scanning:

Press and hold either the **CH/SCAN** $\wedge$ or $\vee$ key. The channel number on the display will rapidly cycle through the channels.

To turn OFF channel scanning:

Press either the **CH/SCAN** $\wedge$ or $\vee$ key.

Note: If you press either the **CH/SCAN** $\wedge$ or $\vee$ key while the unit is pausing on a channel, scanning will resume.

Talking on Your Radio

To talk to others using the radio:

- 1) Press and hold the **PTT** button and speak in a clear, normal voice about 2-3 inches away from the microphone. While you are transmitting the **tx** icon is displayed. To avoid cutting off the first part of your transmission, pause slightly after pressing the **PTT** button before you start talking.
- 2) When you are finished speaking, release the **PTT** button. You can now receive incoming calls. While receiving, the **rx** icon is displayed.

Transmitting a Call Alert Tone

Your 21-1919 radio is equipped with a call tone that will be transmitted when the **CALL** key is pressed.

To transmit the call alert tone, press the **CALL** key. The tone will automatically be transmitted for a fixed length of time.

Auto Squelch Feature

The 21-1919 is equipped with an automatic squelch system which shuts off weak transmissions and unwanted noise due to terrain conditions or if you have reached your range limit.

Monitor Mode Feature

Your 21-1919 radio allows you to listen for weak signals on the current channel at the press of a key.

To turn ON monitor mode:

Press and hold the **VOL/MON** $\wedge$ or $\vee$ key.

The **rx** icon will blink.

To turn OFF monitor mode:

Press the **VOL/MON** $\wedge$ or $\vee$ key. The **rx** icon will disappear.

Automatic Power Save Feature

Your 21-1919 has a unique circuit designed to dramatically extend the life of the batteries.

If there is no transmission nor an incoming call within 2 seconds, your radio switches to the Power Save mode.

The radio is still able to receive transmissions in this mode.

SPECIFICATIONS

Channels	15 GMRS / 7 FRS
Operating Frequency	UHF 462.5500 - 467.7125 MHz
Power Source	3 AAA Alkaline Batteries (not included)
Output Power	500mW Conducted
Battery Life	25 Hours typical (5/5/90 duty cycle)

Frequency Chart

Ch.	Freq.	Ch.	Freq.
1	462.5625	12	467.6625
2	462.5875	13	467.6875
3	462.6125	14	467.7125
4	462.6375	15	462.5500
5	462.6625	16	462.5750
6	462.6875	17	462.6000
7	462.7125	18	462.6250
8	467.5625	19	462.6500
9	467.5875	20	462.6750
10	467.6125	21	462.7000
11	467.6375	22	462.7250

FCC INFORMATION

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Important: Changes or modifications to this unit not expressly approved by Radioshack could void your authority to operate this unit. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.

FCC RF EXPOSURE INFORMATION

WARNING! Read this information before using the radio

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters.

Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of the radio complies with the FCC guidelines and these international standards.

Never allow children to operate the radio without adult supervision and the knowledge of the following guidelines.

WARNING! It is up to the user to properly operate this radio transmitter to insure safe operation. Please adhere to the following:

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio, or result in violation of FCC regulations.

Do not use the radio with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations using the supplied belt-clip, which typically provides a space of 1 inch from the body.

To maintain compliance with FCC RF exposure requirements, Body-worn operations are restricted to the supplied belt-clip. For hand-held operation, the radio should be held 1 inch from the user's face. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements and should be avoided.

For more information about RF exposure, please visit the FCC web site at www.fcc.gov.

LIMITED NINETY-DAY WARRANTY

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS

PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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